

GP2879  
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35.C15495

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re Application of: )  
NORIHIRO SUZUKI, ET AL. ) : Examiner: Unassigned  
Application No.: 09/892,641 ) : Group Art Unit: 2879  
Filed: June 28, 2001 )  
For: IMAGE DISPLAY APPARATUS ) : October 24, 2001  
AND METHOD OF MANUFAC- )  
TURING THE SAME )

Commissioner for Patents  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. Copies of the listed documents are also enclosed.

The concise explanations of relevance for the non-English documents are provided in the Related Background Art section of the specification.

For the Examiner's information, U.S. Patent No. 5,569,974 corresponds to Japanese Patent Application No. 3-55738, and U.S. Patent No. 5,682,085 corresponds to Japanese Patent Application No. 4-28137.

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CONCLUSION

It is respectfully requested that the above information be considered by the Examiner and that an initialed copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

  
\_\_\_\_\_  
Attorney for Applicants

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FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)  Submitted to the PTO: October 24, 2001		ATTY DOCKET NO. <b>35.C15495</b>		APPLICATION NO. <b>09/892,641</b>			
		APPLICANTS <b>NORIHIRO SUZUKI, ET AL.</b>					
		FILING DATE <b>June 28, 2001</b>		GROUP <b>2879</b>			
U.S. PATENT DOCUMENTS							
*EXAMINER INITIALS <div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block; transform: rotate(-90deg); transform-origin: center;">             OCT 24 2001              PATENT &amp; TRADEMARK OFFICE           </div>		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4,904,895	02/1990	Tsukamoto, et al.	313	336	
		5,066,883	11/1991	Yoshioka, et al.	313	309	
		5,569,974	10/1996	Morikawa, et al.	313	310	
		5,682,085	10/1997	Suzuki, et al.	315	169.1	
		6,169,356	01/2001	Ohnishi, et al.	313	495	
		6,246,168	06/2001	Kishi, et al.	313	495	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
	KJA	3-55738	03/1991	Japan			Abstract
		7-105850	04/1995	Japan			Abstract
		7-105847	04/1995	Japan			Abstract
		2-257551	10/1990	Japan			Abstract
		64-31332	02/1989	Japan			Abstract
	KJR	4-28137	01/1992	Japan			Abstract
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	KJA	M.I. Elinson, et al., "The Emission of Hot Electrons and the Field Emission of Electrons From Tin Oxide", Radio Engineering and Electronic Physics, No. 10, pp. 1290-1296 (July 1965).					
	KJA	W.P. Dyke, et al., "Field Emission", Advances in Electronics and Electron Physics, Vol. VIII, pp. 89-185 (1956).					
	KJA	G. Dittmer, "Electrical Conduction and Electron Emission of Discontinuous Thin Films", Thin Solid Films, 9, pp. 317-328 (1972).					
EXAMINER <b>Kenneth J. Ramsey</b> Primary Examiner				DATE CONSIDERED <b>3/21/03</b>			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

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**NORIHIRO SUZUKI, ET AL.**FILING DATE  
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**2879**

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
OIP OCT 24 2001 P. ENT & TRADEMARK OFFICE						

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

KJA	M. Hartwell, et al., "Strong Electron Emission From Patterned Tin-Indium Oxide Thin Films", International Electron Devices Meeting, Technical Digest, pp. 519-521 (1975).
KJA	H. Araki, et al., "Electroforming and Electron Emission of Carbon Thin Films", Journal of the Vacuum Society of Japan, Vol. 26, No. 1, pp. 22-29 (1983).
KJA	C.A. Spindt, et al., "Physical Properties of Thin-Film Emission Cathodes with Molybdenum Cones", Journal of Applied Physics, Vol. 47, No. 12, pp. 5248-5263 (December 1976).
KJA	C.A. Mead, "Operation of Tunnell-Emission Devices", Journal of Applied Physics, Vol. 32, No. 4, pp. 646-652 (April 1961).
MA	R. Meyer, "Recent Development on "Microtips" Display at LETI", Technical Digest of IVMC, pp. 6-9 (1991).

EXAMINER

**Kenneth J. Ramsey**  
Primary Examiner

DATE CONSIDERED

**3/24/03**

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.